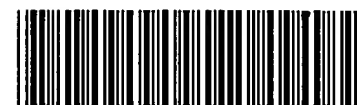


0590
2523 # 10



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RAW SEQUENCE LISTING

DATE: 05/07/2002

PATENT APPLICATION: US/09/924,396B

TIME: 09:35:16

Input Set : A:\LOMAU.140A.txt

Output Set: N:\CRF3\05072002\I924396B.raw

4 <110> APPLICANT: Kirsch, Wolff
 5 Lennart, Anton
 6 Kelln, Wayne
 7 Kang, Dae-Kyung
 8 Levine, Rodney
 9 Rouault, Tracey
 11 <120> TITLE OF INVENTION: IRON-REGULATING PROTEIN-2 (IRP-2) IS
 12 DIAGNOSTIC FOR NEURODEGENERATIVE DISEASE
 15 <130> FILE REFERENCE: LOMAU.140A
 17 <140> CURRENT APPLICATION NUMBER: 09/924,396B
 C--> 18 <141> CURRENT FILING DATE: 2002-04-25
 20 <150> PRIOR APPLICATION NUMBER: 60/222,863
 21 <151> PRIOR FILING DATE: 2000-08-04
 23 <160> NUMBER OF SEQ ID NOS: 20
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 29 <212> TYPE: DNA
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 33 <223> OTHER INFORMATION: cloning oligonucleotide
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 37 ccacttaaag tgcagcctaa gaagcttccc tgcagaggcc agactacctg ccgaggatct 120
 38 tgtgattctg gagaactagg ccgaaactca ggaacatttt cttcgcagat tgagaataca 180
 39 cccatcctg 189
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 42 <211> LENGTH: 63
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: peptide for antibody production
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 51 1 5 10 15
 52 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Cys Arg
 53 20 25 30
 54 Gly Gln Thr Thr Cys Arg Gly Ser Cys Asp Ser Gly Glu Leu Gly Arg
 55 35 40 45
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 57 50 55 60
 60 <210> SEQ ID NO: 3
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TIME: 09:35:16

Input Set : A:\LOMAU.140A.txt

Output Set: N:\CRF3\05072002\I924396B.raw

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70 ccacttaaag tgcagcctaa gaagcttccc gccagaggcc agactacctg ccgaggatct 120
71 tgtgattctg gagaactagg ccgaaactca ggaacatttt cttcgcagat tgagaataca 180
72 cccatcctg 189
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75 <211> LENGTH: 63
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: peptide for antibody production
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83 Ala Ile Gln Asn Ala Pro Asn Pro Gly Gly Gly Asp Leu Gln Lys Ala
84 1 5 10 15
85 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Cys Arg
86 20 25 30
87 Gly Gln Thr Thr Cys Arg Gly Ser Cys Asp Ser Gly Glu Leu Gly Arg
88 35 40 45
89 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
90 50 55 60
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96 <213> ORGANISM: Artificial Sequence
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99 <223> OTHER INFORMATION: cloning oligonucleotide
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103 ccacttaaag tgcagcctaa gaagcttccc tgcagaggcc agactaccgc ccgaggatct 120
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109 <212> TYPE: PRT
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112 <220> FEATURE:
113 <223> OTHER INFORMATION: peptide for antibody production
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117 1 5 10 15
118 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Cys Arg
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121 35 40 45
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DATE: 05/07/2002

TIME: 09:35:16

Input Set : A:\LOMAU.140A.txt

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136 ccacttaaag tgcagcctaa gaagcttccc tgcagaggcc agactacctg ccgaggatct 120
137 gctgattctg gagaactagg ccgaaactca ggaacatttt cttcgcagat tgagaatata 180
138 cccatcctg 189
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142 <212> TYPE: PRT
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146 <223> OTHER INFORMATION: peptide for antibody production
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150 1      5      10      15
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152      20      25      30
153 Gly Gln Thr Thr Cys Arg Gly Ser Ala Asp Ser Gly Glu Leu Gly Arg
154      35      40      45
155 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
156      50      55      60
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162 <213> ORGANISM: Artificial Sequence
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165 <223> OTHER INFORMATION: cloning oligonucleotide
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178 <220> FEATURE:
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183 1      5      10      15
184 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Ala Arg
185      20      25      30

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PATENT APPLICATION: US/09/924,396B

DATE: 05/07/2002

TIME: 09:35:16

Input Set : A:\LOMAU.140A.txt

Output Set: N:\CRF3\05072002\I924396B.raw

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186 Gly Gln Thr Thr Ala Arg Gly Ser Cys Asp Ser Gly Glu Leu Gly Arg
187      35      40      45
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198 <223> OTHER INFORMATION: cloning oligonucleotide
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202 ccacttaaaag tgcagcctaa gaagcttccc tgcagaggcc agactacccg ccgaggatct 120
203 gctgattctg gagaactagg ccgaaactca ggaacatttt cttcgcatat tgagaataca 180
204 cccatcctg 189
206 <210> SEQ ID NO: 12
207 <211> LENGTH: 63
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
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216 1      5      10      15
217 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Cys Arg
218      20      25      30
219 Gly Gln Thr Thr Ala Arg Gly Ser Ala Asp Ser Gly Glu Leu Gly Arg
220      35      40      45
221 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
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237 cccatcctg 189
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241 <212> TYPE: PRT
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244 <220> FEATURE:
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/924,396B

DATE: 05/07/2002

TIME: 09:35:16

Input Set : A:\LOMAU.140A.txt

Output Set: N:\CRF3\05072002\I924396B.raw

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249 1          5          10          15
250 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Ala Arg
251          20          25          30
252 Gly Gln Thr Thr Cys Arg Gly Ser Ala Asp Ser Gly Glu Leu Gly Arg
253          35          40          45
254 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
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260 <212> TYPE: DNA
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268 ccacttaaag tgcagcctaa gaagcttccc gccagaggcc agactaccgc ccgaggatct 120
269 gctgattctg gagaactagg ccgaaactca ggaacatttt ctgcgcagat tgagaataca 180
270 cccatcctg 189
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273 <211> LENGTH: 63
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275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: peptide for antibody production
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283 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Ala Arg
284          20          25          30
285 Gly Gln Thr Thr Ala Arg Gly Ser Ala Asp Ser Gly Glu Leu Gly Arg
286          35          40          45
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293 <212> TYPE: DNA
294 <213> ORGANISM: Homo Sapiens
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298 ggcaccaagt atgatgttct gccttactca atacgggtct tgttggaagc tgctgtacga 120
299 aattgtgatg gctttttaat gaagaaggaa gatgttatga acattttaga ctggaaaacc 180
300 aaacaaagca atggttgaagt gccctttttc cctgcccgtg ttcttcttca agattttact 240
301 ggaataccag caatggttga ttttctgtct atgagggagg cagtgaaaac tcttgagggt 300
302 gatcctgaga aagtccatcc tgcttgtccg acagatctta cagttgacca ttctttacaa 360
303 attgacttca gtaaatgtgc aatacagaat gcaccaaadc ctggagggtg tgacctgcag 420
304 aaagcaggaa agctctctcc acttaaagtg cagcctaaga agcttccctg cagaggccag 480
305 actacctgcc gaggatcttg tgattctgga gaactaggcc gaaactcagg aacattttct 540
306 tcgcagattg agaatacacc catcctgtgt ccttttcatt tgcaaccagt gcctgaacct 600
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/924,396B

DATE: 05/07/2002

TIME: 09:35:17

Input Set : A:\LOMAU.140A.txt

Output Set: N:\CRF3\05072002\I924396B.raw

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date